

FIG. 2

```
graph TD; START([START]) --> S1[S1: CALL SESSION ESTABLISHMENT ROUTINE]; S1 --> S2[S2: EXECUTE VARIOUS JOBS]; S2 --> S3[S3: CALL SESSION CLOSING ROUTINE]; S3 --> END([END]);
```

The flowchart illustrates the sequence of operations for a session. It begins with a 'START' terminal, followed by step S1: 'CALL SESSION ESTABLISHMENT ROUTINE'. This leads to step S2: 'EXECUTE VARIOUS JOBS', which then leads to step S3: 'CALL SESSION CLOSING ROUTINE'. The process concludes at an 'END' terminal.

FIG. 3

020101000

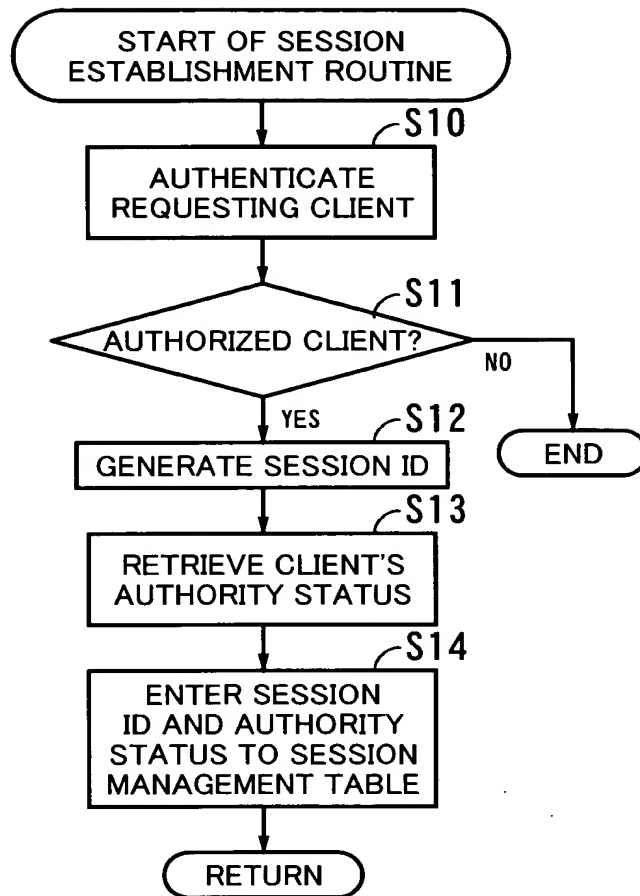


FIG. 4

CLIENT MANAGEMENT TABLE

CLIENT ID	GROUPING RIGHT	ALLOCATABLE GROUP	DEALLOCATABLE GROUP	RESOURCE REGISTRATION RIGHT	RESOURCE DEREGISTRATION RIGHT	RESOURCE REALLOCATION RIGHT
C001	YES	G001, G003	G001, G003	YES	YES	YES
C002	YES	G001, G002	G001, G002	YES	YES	YES
C003	NO	G002	G002	NO	NO	NO

FIG. 5

SESSION MANAGEMENT TABLE

SESSION ID	CLIENT ID	GROUPING RIGHT	ALLOCATABLE GROUP	DEALLOCATABLE GROUP	RESOURCE REGISTRATION RIGHT	RESOURCE DEREGISTRATION RIGHT	RESOURCE DEALLOCATION RIGHT	ALLOCATED GROUP	R/W MODE
S001	C002	YES	G001, G002	G001, G002	YES	YES	YES	G001	R
S002	C001	YES	G001, G003	G001, G003	YES	YES	YES	G003	W
S003	C003	NO	G002	G002	NO	NO	NO		

FIG. 6

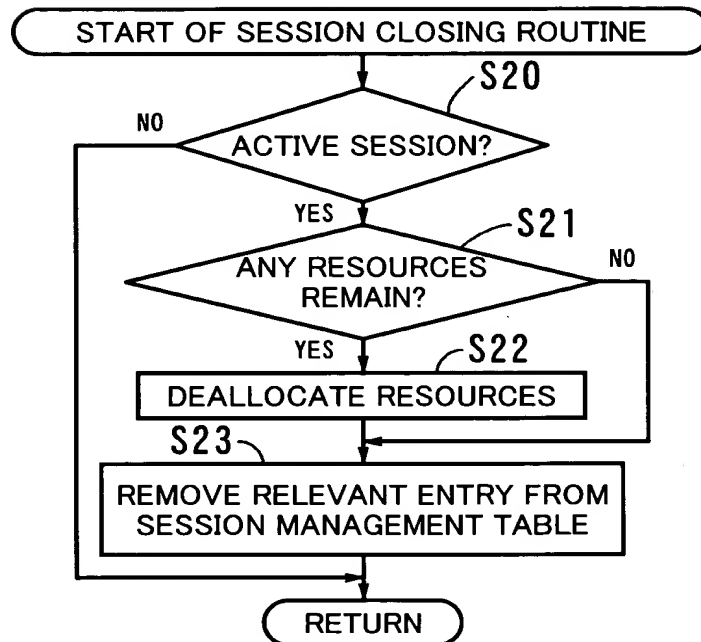


FIG. 7

GROUP MANAGEMENT TABLE

GROUP ID	VALID PERIOD	RESOURCE ID	RESOURCE ID	RESOURCE ID	RESOURCE ID	ASSOCIATE GROUP
G001	JAN 3,2000 2:00	R001	R005	R006		G002, G003
G002	JAN 2,2000 3:00	R001	R007			G001
G003	JAN 2,2000 5:00	R006				G001

FIG. 8

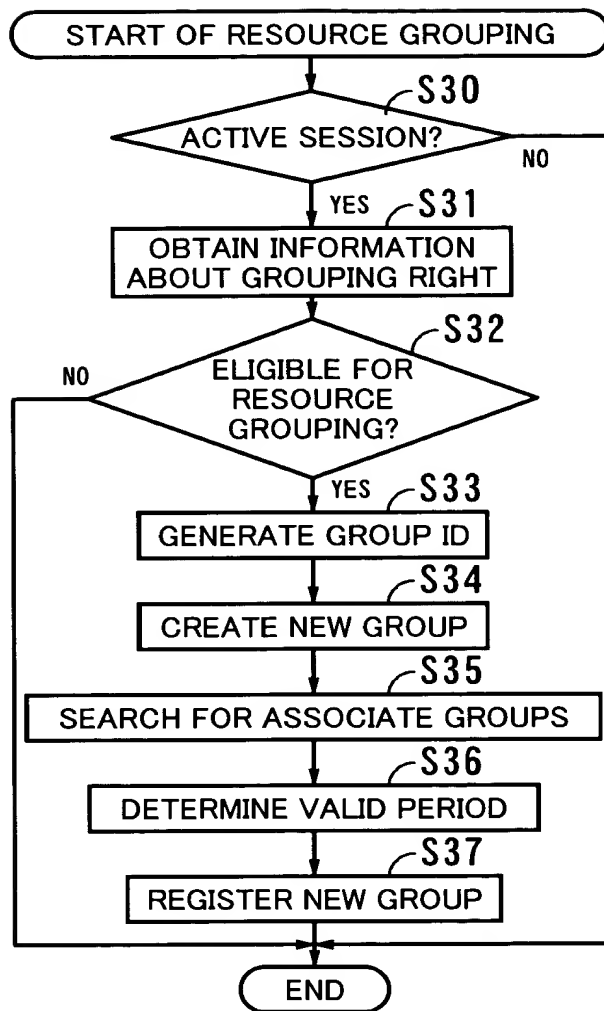


FIG. 9

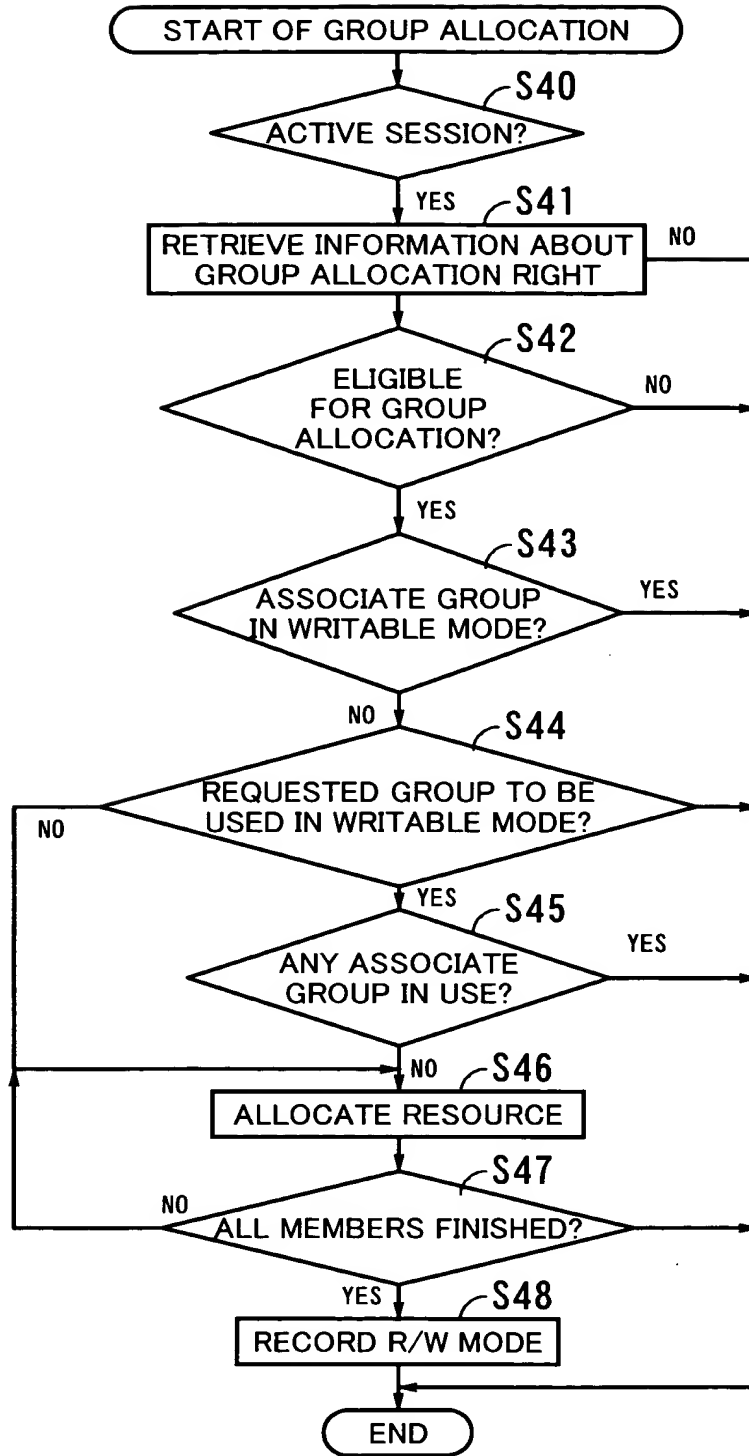


FIG. 10

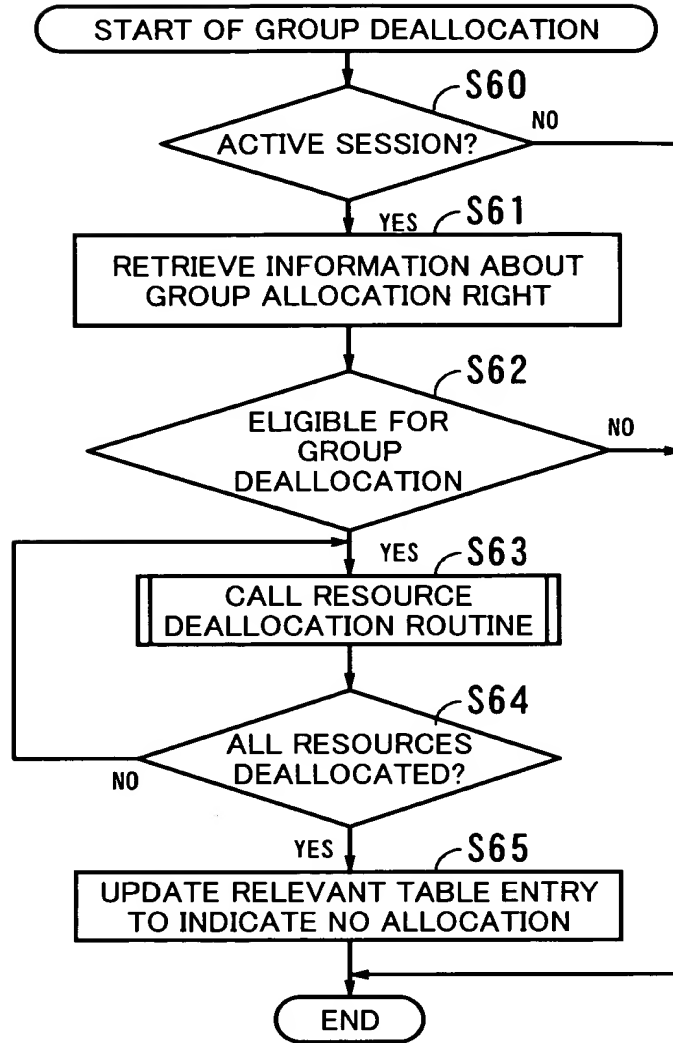


FIG. 11

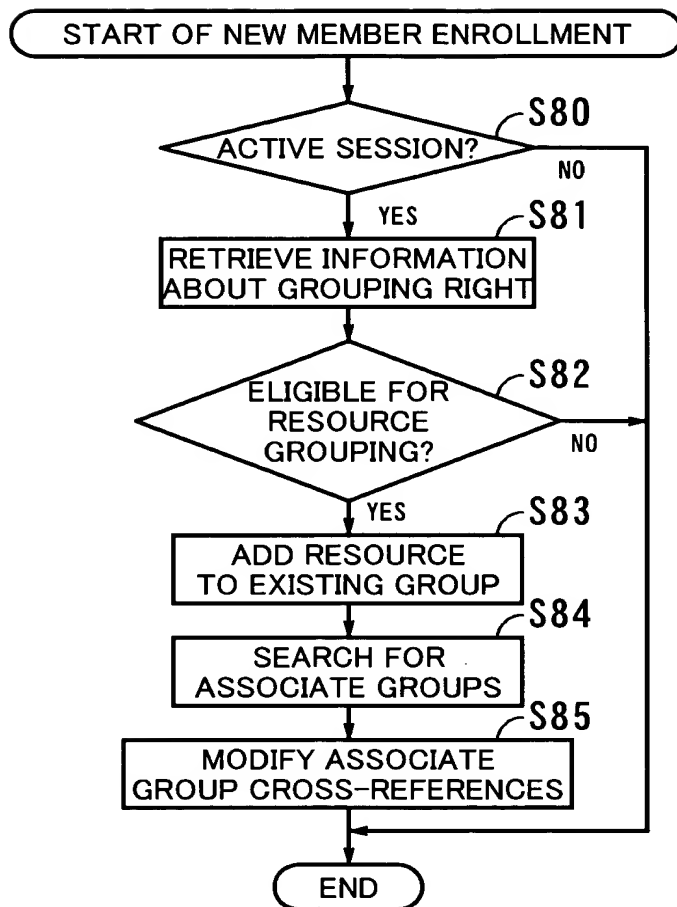


FIG. 13

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graph TD
    Start([START OF RESOURCE REGISTRATION]) --> S90{ACTIVE SESSION?}
    S90 -- NO --> End([END])
    S90 -- YES --> S91[RETRIEVE INFORMATION ABOUT RESOURCE REGISTRATION RIGHT]
    S91 --> S92{ELIGIBLE FOR RESOURCE REGISTRATION?}
    S92 -- NO --> End
    S92 -- YES --> S93[REGISTER NEW RESOURCE]
    S93 --> End

```

FIG. 14

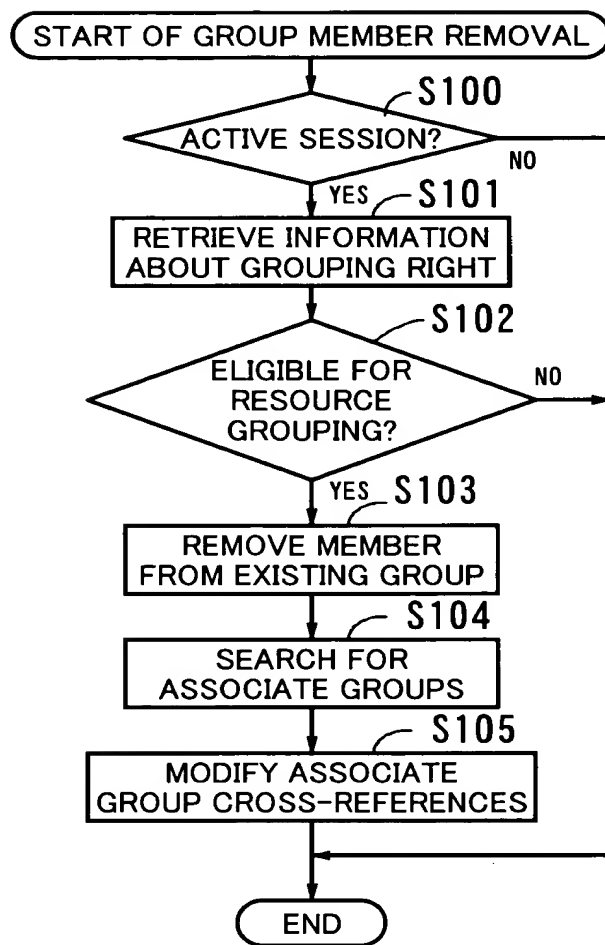


FIG. 15

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graph TD
    Start([START OF RESOURCE DEREGISTRATION]) --> S110{ACTIVE SESSION?}
    S110 -- NO --> Exit1(( ))
    S110 -- YES --> S111[RETRIEVE INFORMATION ABOUT  
RESOURCE DEREGISTRATION RIGHT]
    S111 --> S112{ELIGIBLE FOR  
RESOURCE  
DEREGISTRATION?}
    S112 -- NO --> Exit1
    S112 -- YES --> S113{RESOURCE IS BUSY?}
    S113 -- NO --> S114{DEALLOCATION  
INTERRUPT  
RECEIVED?}
    S113 -- YES --> S114
    S114 -- NO --> S113
    S114 -- YES --> S115[DEREGISTER RESOURCE]
    S115 --> S116[UPDATE GROUP  
MANAGEMENT TABLE]
    S116 --> End([END])
    Exit1 --> End

```

END